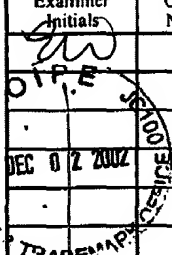
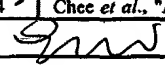


FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: FORS-04012		Serial No.: 09/402,618		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b))				Applicant: Fang Dong <i>et al.</i>				
				Filing Date: 07/18/00		Group Art Unit: 1635		
U.S. PATENT DOCUMENTS								
Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date	
	1	5,422,253	06/06/95	Dahlberg <i>et al.</i>	435	91.53	12/07/92	
	2	5,427,930	06/27/95	Birkenmeyer <i>et al.</i>	435	91.52	06/28/91	
	3	5,429,807	07/04/95	Matson <i>et al.</i>	422	131	10/28/93	
	4	5,436,327	07/25/95	Southern <i>et al.</i>	536	25.34	09/21/89	
	5	5,494,810	02/27/96	Barany <i>et al.</i>	435	91.52	11/22/94	
	6	5,599,695	02/04/97	Pease <i>et al.</i>	435	91.1	02/27/95	
	7	5,202,231	04/13/93	Drmanac <i>et al.</i>	435	6	06/18/91	
	8	5,492,806	02/20/96	Drmanac <i>et al.</i>	435	5	04/12/93	
	9	5,510,270	04/23/96	Fodor <i>et al.</i>	436	518	09/30/92	
	10	5,656,744	08/12/97	Arnold, Jr., <i>et al.</i>	536	25.3	07/07/95	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS								
		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	11	WO 95/15267	1995	PCT				
	12	WO 97/27214	1997	PCT				
	13	WO 98/23774	1998	PCT				
	14	WO 96/04374	1996	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	15	Abrams <i>et al.</i> , "Comprehensive Detection of Single Base Changes in Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis and a GC Clamp," <i>Genomics</i> 7:463-475 [1990]						
	16	Altamirano <i>et al.</i> , "Identification of Hepatitis C Virus Genotypes among Hospitalized Patients in British Columbia, Canada," <i>J. Infect. Dis.</i> 171:1034-1038 [1995]						
	17	Bains and Smith, "A Novel Method for Nucleic Acid Sequence Determination," <i>J. Theor. Biol.</i> 135:303-307 [1988]						
	18	Banerjee <i>et al.</i> , " <i>inhA</i> , a Gene Encoding a Target for Isoniazid and Ethionamide in <i>Mycobacterium tuberculosis</i> ," <i>Science</i> 263:227-230 [1994]						
	19	Barany, "The Ligase Chain Reaction in a PCR World," <i>PCR Meth. App.</i> 1:5-16 [1991]						
	20	Barlow and Lehrach, "Genetics by gel electrophoresis: the impact of pulsed field gel electrophoresis on mammalian genetics," <i>Trends Genet.</i> 3:167-171 [1987]						
	21	Bidou <i>et al.</i> , "In vivo HIV-1 frameshifting efficiency is directly related to the stability of the stem-loop stimulatory signal," <i>RNA</i> 3:1153-1158 [1997]						
	22	Borresen <i>et al.</i> , "Constant denaturant gel electrophoresis as a rapid screening technique for p53 mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:8405-8409 [1991]						
	23	Brow <i>et al.</i> , "Differentiation of Bacterial 16S rRNA Genes and Intergenic Regions and <i>Mycobacterium tuberculosis</i> <i>katG</i> Genes by Structure-Specific Endonuclease Cleavage," <i>J. Clin. Microbiol.</i> 34:3129-3137 [1996]						
	24	Chee <i>et al.</i> , "Accessing Genetic Information with High-Density DNA Arrays," <i>Science</i> 274:610-614 [1996]						
Examiner: 				Date Considered: 5/29/02				
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: FORS-04012	Serial No.: 09/402,618
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Fang Dong <i>et al.</i>	
(37 CFR § 1.98(b))				Filing Date: 07/18/00	Group Art Unit: 1635
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)					
25		Cload and Schepartz, "Polyether Tethered Oligonucleotide Probes," <i>J. Am. Chem. Soc.</i> 113:6324-6326 [1991]			
26		Cockerill, III <i>et al.</i> , "Rapid Identification of a Point Mutation of the <i>Mycobacterium tuberculosis</i> Catalase-Peroxidase (<i>katG</i>) Gene Associated with Isoniazid Resistance," <i>J. Infect. Dis.</i> 171:240-245 [1995]			
27		Compton in <i>PCR Protocols</i> , Innis <i>et al.</i> (Eds.), [1990], pp. 39-45			
28		Conner, "Detection of sickle cell β^s -globin allele by hybridization with synthetic oligonucleotides," <i>Proc. Natl. Acad. Sci.</i> 80:278-282 [1983]			
29		Donnabella <i>et al.</i> , "Isolation of the Gene for the β Subunit of RNA Polymerase from Rifampicin-resistant <i>Mycobacterium tuberculosis</i> and Identification of New Mutations," <i>Am. J. Respir. Dis.</i> 11:639-643 [1994]			
30		Doty <i>et al.</i> , "Strand Separation and Specific Recombination in Deoxyribonucleic Acids: Physical Chemical Studies," <i>Proc. Natl. Acad. Sci. USA</i> 46:461 [1960]			
31		Drmanac <i>et al.</i> , "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method," <i>Genomics</i> 4:114-128 [1989]			
32		Duckett <i>et al.</i> , "The Structure of the Holliday Junction, and Its Resolution," <i>Cell</i> 55:79-89 [1988]			
33		Eckstein and Lilley (eds.), <i>Nucleic Acids and Molecular Biology</i> , vol. 2, Springer-Verlag, Heidelberg [1988]. (This publication is not provided but is available upon request of the Examiner).			
34		Fedorova <i>et al.</i> , "The Influence of the Target Structure on the Efficiency of Alkylation of Single-Stranded DNA with the Reactive Derivatives of Antisense Oligonucleotides," <i>FEBS Lett.</i> 302:47-50 [1992]			
35		Fodor <i>et al.</i> , "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <i>Science</i> 251:767-773 [1991]			
36		Fodor <i>et al.</i> , "Multiplexed biochemical assays with biological chips," <i>Nature</i> 364:555-556 [1993]			
37		Francois <i>et al.</i> , "Recognition and Cleavage of Hairpin Structures in Nucleic Acids by Oligodeoxynucleotides," <i>Nucleic Acids Research</i> 22(19):343-3950 [1994]			
38		Frieden <i>et al.</i> , "The Emergence of Drug-Resistant Tuberculosis in New York City," <i>New Engl. J. Med.</i> 328:521-526 [1993]			
39		Gamper <i>et al.</i> , "Solution Hybridization of Crosslinkable DNA Oligonucleotides to Bacteriophage M13 DNA Oligonucleotides to Bacteriophage M13 DNA: Effect of Secondary Structure on Hybridization Kinetics and Equilibria," <i>J. Mol. Biol.</i> 197:349-362 [1987]			
40		Gaspin and Westhof, "An Interactive Framework for RNA Secondary Structure Prediction with a Dynamical Treatment of Constrains," <i>J. Mol. Biol.</i> 254:163 [1995]			
41		Gesteland and Atkins (eds.), <i>The RNA World</i> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY [1993]. (This publication is not provided but is available upon request of the Examiner).			
42		Girelli <i>et al.</i> , "Hereditary Hyperferritinemia-Cataract Syndrome Caused by a 29-Base Pair Deletion in the Iron Responsive Element of Ferritin L-Subunit Gene," <i>Blood</i> 90:2084 [1997]			
43		Godard <i>et al.</i> , "Photochemically and Chemically Activatable Antisense Oligonucleotides: Comparison of Their Reactivities Towards DNA and RNA Targets," <i>Nuc. Acids Res.</i> 22:4789-4795 [1994]			
44		Gogos <i>et al.</i> , "Detection of single base mismatches of thymine and cytosine residues by potassium permanganate and hydroxylamine in the presence of tetralkylammonium salts," <i>Nucl. Acids Res.</i> 18:6807-6817 [1990]			
45		Hanke <i>et al.</i> , "Repetitive <i>Alu</i> Elements form a Cruciform Structure that Regulates the Function of the Human CD8 α T Cell-specific Enhancer," <i>J. Mol. Biol.</i> 246:63 [1995]			
46		Harrington and Lieber, "Functional domains within FEN-1 and RAD2 define a family of structure-specific endonucleases: implications for nucleotide excision repair," <i>Genes and Develop.</i> 3:1344-1355 [1994]			
47		Hayashi, "PCR-SSCP: A Simple and Sensitive Method for Detection of Mutations in the Genomic DNA," <i>PCR Meth. Appl.</i> 1:34-38 [1991]			
48		Heym <i>et al.</i> , "Implications of multidrug resistance for the future of short-course chemotherapy of tuberculosis: a molecular study," <i>Lancet</i> 344:293-298 [1994]			
49		Hirao <i>et al.</i> , "Most Compact Hairpin-Turn Structure Exerted by a Short DNA Fragment, δ (GCGAAGC) in Solution: An Extraordinarily Stable Structure Resistant to Nucleases and Heat," <i>Nucleic Acids Res.</i> 22(4):576-582 [1994]			
50		Howe and Ares, "Intron self-complementarity enforces exon inclusion in a yeast pre-mRNA," <i>Proc. Natl. Acad. Sci. USA</i> 94:1246712472 [1997]			
Examiner:		Date Considered: 5/29/03			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: FORS-04012		Serial No.: 09/402,618	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Fang Dong et al.			
(37 CFR § 1.98(b))				Filing Date: 07/18/00		Group Art Unit: 1635	
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							
51	✓	Hughes, "The Resurgence of tuberculosis," <i>Scrip Magazine</i> , pp. 46-48 [May 1994]					
52	✓	Jacobs, Jr. et al., "Rapid Assessment of Drug Susceptibilities of <i>Mycobacterium tuberculosis</i> by Means of Luciferase Reporter Phages," <i>Science</i> 260:819-822 [1993]					
53	✓	Jacobs, Jr., "Multiple-Drug-Resistant Tuberculosis," <i>Clin. Infect. Dis.</i> 19:1-8 [1994]					
54	✓	Jaeger et al., "Improved predictions of secondary structures for RNA," <i>Proc. Natl. Acad. Sci. USA</i> 86:7706-7710 [1989]					
55	✓	Jaeger et al., "Predicting Optimal and Suboptimal Secondary Structure for RNA," <i>Meth. Enzymol.</i> 183:281-306 [1990]					
56	✓	Kaczorowski and Szybalski, "Co-Operativity of hexamer ligation," <i>Gene</i> 179:189-193 [1996]					
57	✓	Kanai et al., "HCV genotypes in chronic hepatitis C and response to interferon," <i>Lancet</i> 339:1543 [1992]					
58	✓	Kwok et al., "Effects of Primer - Template Mismatches on the Polymerase Chain Reaction: Human Immunodeficiency Virus Type 1 Model Studies," <i>Nucl. Acids. Res.</i> 18:999-1005 [1990]					
59	✓	Lerman and Silverstein, "Computational Simulation of DNA Melting and Its Application to Denaturing Gradient Gel Electrophoresis," <i>Meth. Enzymol.</i> 155:482-501 [1987]					
60	✓	Lima et al., "Implication of RNA Structure on Antisense Oligonucleotide Hybridization Kinetics," <i>Biochem.</i> 31:12055-12061 [1992]					
61	✓	Liu and Sommer, "Parameters Affecting the Sensitivities of Dideoxy Fingerprinting and SSCP," <i>PCR Methods Appl.</i> , 4:97-108 [1994]					
62	✓	Lowman and Draper, "On the Recognition of Helical RNA by Cobra Venom V ₁ Nuclease," <i>J. Biol. Chem.</i> , 261:5396-5403 [1986]					
63	✓	Lyamichev et al., "Structure-Specific Endonucleolytic Cleavage of Nucleic Acids by Eubacterial DNA Polymerase," <i>Science</i> 260: 778-7322 [1993]					
64	✓	Mangada and Igarashi, "Sequences of Terminal Non-Coding Regions from Four Dengue-2 Viruses Isolated from Patients Exhibiting Different Disease Severities," <i>Virus Genes</i> 14:1:5-12 [1997]					
65	✓	Marmur and Lane, "Strand Separation and Specific Recombination in Deoxyribonucleic Acids: Biological Studies," <i>Proc. Natl. Acad. Sci. USA</i> 46:453-461 [1960]					
66	✓	Maskos and Southern, "Parallel analysis of oligodeoxyribonucleotide (oligonucleotide) interactions. I. Analysis of factors influencing oligonucleotide duplex formation," <i>Nucleic Acids Res</i> 20(7):1675-1678 [1992]					
67	✓	Miller, et al., "Multiple Biological Roles Associates with the Rous Sarcoma Virus 5' Untranslated RNA U5-IR Stem and Loop," <i>J Virol.</i> , 71:7648-765 [1997]					
68	✓	Morris et al., "Molecular Mechanisms of Multiple Drug Resistance in Clinical Isolates of <i>Mycobacterium tuberculosis</i> ," <i>J. Infect. Dis.</i> 171:954-960 [1995]					
69	✓	Murante, R.S., et al., "The Calf 5'- to 3' Exonuclease Is Also an Endonuclease with Both Activities Dependent on Primers Annealed Upstream of the Point of Cleavage," <i>J. Biol. Chem.</i> 269:1191-1196 [1994]					
70	✓	Myers et al., "Reverse Transcription and DNA Amplification by a <i>Thermus thermophilus</i> DNA Polymerase," <i>Biochem.</i> 30:7661-7666 [1991]					
71	✓	Myers et al., "Detection of Single Base Substitutions by Ribonuclease Cleavage at Mismatches in RNA:DNA Duplexes," <i>Science</i> 230:1242-1246 [1985]					
72	✓	Okamoto et al., "Typing hepatitis C virus by polymerase chain reaction with type-specific primers: application to clinical surveys and tracing infectious sources," <i>J. Gen. Virol.</i> 73:673-679 [1992]					
73	✓	Orta et al., "Rapid and Sensitive Detection of Point Mutations and DNA Polymorphisms Using the Polymerase Chain Reaction," <i>Genomics</i> 5:874-879 [1989]					
74	✓	Parkhurst and Parkhurst, "Kinetic Studies by Fluorescence Resonance Energy Transfer Employing a Double-Labeled Oligonucleotide: Hybridization to the Oligonucleotide Complement and to Single-Stranded DNA," <i>Biochem.</i> 34:285-292 [1995]					
75	✓	Patel et al., "Formation of Chimeric DNA Primer Extension Products by Template Switching Onto An Annealed Downstream Oligonucleotide," <i>Proc. Natl. Acad. Sci. USA</i> 93:2969-2974 [1996]					
Examiner				Date Considered: 5/29/03			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: FORS-04012

Serial No.: 09/402,618

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)Applicant: Fang Dong *et al.*

Filing Date: 07/18/00

Group Art Unit: 1635

(37 CFR § 1.98(b))

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

- | | |
|----|---|
| 76 | Perلمان and Butow, "Mobile Introns and Intron-Encoded Proteins," <i>Science</i> 246:1106-1109 [1989] |
| 77 | Proutski <i>et al.</i> , "Secondary structure of the 3'-untranslated region of yellow fever virus: implications for virulence, attenuation and vaccine development," <i>J Gen Virol.</i> , 78:1543-1549 [1997] |
| 78 | Richardson and Schepartz, "Tethered Oligonucleotide Probes. A Strategy for the Recognition of Structured RNA," <i>J. Am. Chem. Soc.</i> 113:5109-5111 [1991] |
| 79 | Sambrook <i>et al.</i> , <i>Molecular Cloning: A Laboratory Manual</i> , 2nd ed. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY [1989]. (This publication is not provided but is available upon request of the Examiner.) |
| 80 | Scholz, <i>et al.</i> , "Rapid screening for Tp53 mutations by temperature gradient gel electrophoresis: a comparison with SSCP analysis," <i>Hum. Mol. Genet.</i> 2:2155-2158 [1993] |
| 81 | Schwille <i>et al.</i> , "Quantitative Hybridization Kinetics of DNA Probes to RNA in Solution Followed by Diffusional Fluorescence Correlation Analysis," <i>Biochem.</i> 35:10182-10193 [1996] |
| 82 | Serano and Cohen, "A Small Predicted Stem-Loop Structure Mediates Oocyte Localization of <i>Drosophila</i> K10 mRNA," <i>Development</i> 121:3809-3818 [1995] |
| 83 | Sheffield <i>et al.</i> , "Attachment of a 40-base-pair G+C-rich sequence (GC-clamp) to genomic DNA fragments by the polymerase chain reaction results in improved detection of single-base changes," <i>Proc. Natl. Acad. Sci.</i> 86:232-236 [1989] |
| 84 | Shibata <i>in</i> PCR: <i>The Polymerase Chain Reaction</i> , "Preparation of Nucleic Acids for Archival Material," (eds., Mullis <i>et al.</i>) Boston, pp. 47-54 [1994] |
| 85 | Shinnick and Jones <i>in</i> <i>Tuberculosis: Pathogenesis, Protection and Control</i> , "Molecular Approaches to the Diagnosis of Tuberculosis," (ed., Bloom), American Society of Microbiology, Washington, D.C. [1994], pp. 517-530 |
| 86 | Smith <i>et al.</i> , "Novel Method of Detecting Single Base Substitutions in RNA Molecules by Differential Melting Behavior in Solution," <i>Genomics</i> 3:217-223 [1988] |
| 87 | Southern <i>et al.</i> , "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides: Evaluation Using Experimental Models," <i>Genomics</i> 13:1008-1017 [1992] |
| 88 | Thompson <i>et al.</i> , "Microsatellite deletions in the c-myc transcriptional attenuator region associated with over-expression in colon tumour cell lines," <i>Oncogene</i> 14:1715 [1997] |
| 89 | Veyrune <i>et al.</i> , "c-fos mRNA instability determinants present within both the coding and the 3' non coding region link the degradation of this mRNA to its translation," <i>Oncogene</i> 11:2127 [1995] |
| 90 | Wallace <i>et al.</i> , "Hybridization of Synthetic Oligodeoxynucleotides to $\Phi\chi$ 174 DNA: The Effect of Single Base Pair Mismatch," <i>Nucl. Acids Res.</i> 6:3543-3557 [1979] |
| 91 | Ward, <i>et al.</i> , "Changes in the NS Gene of Neurovirulent Strains of Influenza Affect Splicing," <i>Virus Genes</i> 10:1:91-94 [1995] |
| 92 | Wartell <i>et al.</i> , "Detecting base pair substitutions in DNA fragments by temperature-gradient gel electrophoresis," <i>Nucl. Acids Res.</i> 18:2699-2701 [1990] |
| 93 | Winter <i>et al.</i> , "A method to detect and characterize point mutations in transcribed genes: Amplification and overexpression of the mutant c-Ki-ras allele in human tumor cells," <i>Proc. Natl. Acad. Sci. USA</i> 82:7575-7579 [1985] |
| 94 | Woese, "Bacterial Evolution," <i>Microbiological Reviews</i> 51(2):221-271 [1987] |
| 95 | Yang and Millar, "Conformational Flexibility of Three-Way DNA Junctions Containing Unpaired Nucleotides," <i>Biochemistry</i> 35:7959-7967 [1996] |
| 96 | Yoshioka <i>et al.</i> , "Detection of Hepatitis C Virus by Polymerase Chain Reaction and Response to Interferon- α Therapy: Relationship to Genotypes of Hepatitis C Virus," <i>Hepatology</i> 16:293-299 [1992] |
| 97 | Youil, <i>et al.</i> , "Detection of 81 of 81 Known Mouse β -Globin Promotor Mutations with T4 Endonuclease VII - The EMC Method," <i>Genomics</i> , 32:431 [1996] |
| 98 | Yule, "Amplification-Based Diagnostics Target TB," <i>Bio/Technology</i> 12:1335-1337 [1994] |

Examiner:

Date Considered:

5/29/03

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: FORS-04012		Serial No.: 09/402,618	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Fang Dong <i>et al.</i>			
				Filing Date: 07/18/00		Group Art Unit: 1635	
(37 CFR § 1.98(b))							
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							
99		Zarrinkar and Williamson, "Kinetic Intermediates in RNA Folding," <i>Science</i> 265:918-924 [1994]					
100		Zarrinkar and Williamson, "The kinetic folding pathway of the <i>Tetrahymena</i> ribozyme reveals possible similarities between RNA and protein folding," <i>Nat. Struct. Biol.</i> 3:432-438 [1996]					
101		Zhong <i>et al.</i> , "Effect of T-T Base Mismatches on Three-Arm DNA Junctions," <i>Biochemistry</i> 32:6898-6907 [1993]					
102		Zucker, "On Finding All Suboptimal Foldings of an RNA Molecule," <i>Science</i> 244:48-52 [1989]					
103		Zuker and Jacobson, "'Well-Determined' Regions in RNA Secondary Structure Prediction: Analysis of Small Subunit Ribosomal RNA," <i>Nucleic Acids Research</i> 23(14):2791-2798 [1995]					
104		Azhayeva <i>et al.</i> , "Looped Oligonucleotides Form Stable Hybrid Complexes with a Single-Stranded DNA," <i>Nucl. Acids Res.</i> 23(7):1170-1176 [1995]					
105		Blume <i>et al.</i> , "Divalent Transition Metal Cations Counteract Potassium-Induced Quadruplex Assembly of Oligo(dG) Sequences," <i>Nucl. Acids Res.</i> 25(3):617-625 [1997]					
106		Brossalina and Toulme, "A DNA Hairpin as a Target for Antisense Oligonucleotides," <i>J. Am. Chem. Soc.</i> 115:796-797 [1993]					
107		Butorin <i>et al.</i> , "Comparison of the Hydrolysis Patterns of Several tRNAs by Cobra Venom Ribonuclease in Different Steps of the Aminoacylation Reaction," <i>Eur. J. Biochem.</i> 121:587-595 [1982]					
108		Cech, "Structure and Mechanism of the Large Catalytic RNAs: Group I and Group II Introns and Ribonuclease P," Chapter 11 in <i>The RNA World</i> , Cold Spring Harbor Laboratory Press, New York, pp. 239-269 [1993]					
109		Clark, "DNA Synthesis on Discontinuous Templates by DNA Polymerase I of <i>Escherichia coli</i> ," <i>Gene</i> 104:75-80 [1991]					
110		Cload <i>et al.</i> , "Kinetic and Thermodynamic Analysis of RNA Binding by Tethered Oligonucleotide Probes: Alternative Structures and Conformational Changes," <i>J. Am. Chem. Soc.</i> 115(12):5005-5014 [1993]					
111		Delihias <i>et al.</i> , "Natural Antisense RNA/Target RNA Interactions: Possible Models for Antisense Oligonucleotide Drug Design," <i>Nature Biotech.</i> 15:751-753 [1997]					
112		DeRisi <i>et al.</i> , "Use of a cDNA Microarray to Analyse Gene Expression Patterns in Human Cancer," <i>Nature Genetics</i> 14:457-460 [1996]					
113		Derrick and Horowitz, "Probing Structural Differences Between Native and <i>In Vitro</i> Transcribed <i>Escherichia coli</i> Valine Transfer RNA: Evidence For Stable Base Modification-Dependent Conformers," <i>Nucl. Acids Res.</i> 21(21):4948-4953 [1993]					
114		Frischer <i>et al.</i> , "Differential sensitivity of 16S rRNA targeted oligonucleotide probes used for fluorescence in situ hybridization is a result of ribosomal higher order structure," <i>Can. J. Microbiol.</i> 42:1061-1071 [1996]					
115		Guo <i>et al.</i> , "Asymmetric Structure of a Three-Arm DNA Junction," <i>Biochemistry</i> 29:10927-10934 [1990]					
116		Hoheisel, "Sequence-independent and linear variation of oligonucleotide DNA binding stabilities," <i>Nucl. Acids Res.</i> 24(3):430-432 [1996]					
117		Lane <i>et al.</i> , "The Thermodynamic Advantage of DNA Oligonucleotide 'Stacking Hybridization' Reactions: Energetics of a DNA Nick," <i>Nucl. Acids Res.</i> 25(3):611-616 [1997]					
118		Lilley and Kemper, "Cruciform-Resolvase Interactions in Supercoiled DNA," <i>Cell</i> 36:413-422 [1984]					
119		Lima <i>et al.</i> , "Combinatorial Screening and Rational Optimization for Hybridization to Folded Hepatitis C Virus RNA of Oligonucleotides with Biological Antisense Activity," <i>J. Biol. Chem.</i> 272(1):626-638 [1997]					
120		Lu <i>et al.</i> , "Effect of Sequence on the Structure of Three-Arm DNA Junctions," <i>Biochemistry</i> 30(24):5815-5820 [1991]					
121		Ma <i>et al.</i> , "Three-Arm Nucleic Acid Junctions are Flexible," <i>Nucl. Acid Res.</i> 14:9745-9753 [1986]					
122		Malygin <i>et al.</i> , "Hybridization of Two Oligodeoxynucleotides to Both Strands of an RNA Hairpin Structure Increases the Efficiency of RNA-DNA Duplex Formation," <i>FEBS Letters</i> 392:114-116 [1996]					
123		Matveeva <i>et al.</i> , "A Rapid <i>In Vitro</i> Method for Obtaining RNA Accessibility Patterns for Complementary DNA Probes: Correlation with an Intracellular Pattern and Known RNA Structures," <i>Nucl. Acids Res.</i> 25(24):5010-5016 [1991]					
124		Milner <i>et al.</i> , "Selecting Effective Antisense Reagents On Combinatorial Oligonucleotide Arrays," <i>Nature Biotech.</i> 15:537-541 [1997]					
Examiner				Date Considered: 5/29/03			
EXAMINER:				Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: FORS-04012	Serial No.: 09/402,618
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicant: Fang Dong <i>et al.</i>	
				Filing Date: 07/18/00	Group Art Unit: 1635
(37 CFR § 1.98(b))					
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)					
125	✓	Milosavljevic <i>et al.</i> , "DNA Sequence Recognition by Hybridization to Short Oligomers: Experimental Verification of the Method on the <i>E. coli</i> Genome," <i>Genomics</i> 37:77-86 [1996]			
126	✓	Mishra <i>et al.</i> , "Targeting nucleic acid secondary structures by antisense oligonucleotides designed through <i>in vitro</i> selection," <i>Proc. Natl. Acad. Sci. USA</i> 93:10679-10684 [1996]			
127	✓	Pan <i>et al.</i> , "Divalent Metal Ions in RNA Folding and Catalysis," Chapter 12 in <i>The RNA World</i> , Cold Spring Harbor Laboratory Press, New York, pp. 271-302 [1993]			
128	✓	Parinov <i>et al.</i> , "DNA Sequencing by Hybridization to Microchip Octa- and Decanucleotides Extended by Stacked Pentanucleotides," <i>Nucl. Acids Res.</i> 24(15):2998-3004 [1996]			
129	✓	Parsch <i>et al.</i> , "Site-Directed Mutations Reveal Long-Range Compensatory Interactions in the <i>Adh</i> gene of <i>Drosophila melanogaster</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 94:928-933 [1997]			
130	✓	Rosen and Patel, "Structural Features of a Three-Stranded DNA Junction Containing a C-C Junctional Bulge," <i>Biochemistry</i> 32:6576-6587 [1993]			
131	✓	Schuster <i>et al.</i> , "RNA Structures and Folding: From Conventional to New Issues in Structure Predictions," <i>Cur. Opin. in Struct. Biol.</i> 7:229-235 [1997]			
132	✓	Southern, "DNA fingerprinting by hybridization to oligonucleotide arrays," <i>Electrophoresis</i> 16(9):1539-1542 [1995]			
133	✓	Southern, "DNA chips: analyzing sequence by hybridization to oligonucleotides on a large scale," <i>TIG</i> 12(3):1-6 [1996]			
134	✓	Strobel and Doudna, "RNA Seeing Double: Close-Packing of Helices in RNA Tertiary Structure," <i>TIBS Reviews</i> 22:262-266 [1997]			
135	✓	Suo and Johnson, "RNA Secondary Structure Switching During DNA Synthesis Catalyzed by HIV-1 Reverse Transcriptase," <i>Biochemistry</i> 36:14778-14785 [1997]			
136	✓	Walter <i>et al.</i> , "Coaxial Stacking of Helices Enhances Binding of Oligoribonucleotides and Improves Predictions of RNA Folding," <i>Proc. Natl. Acad. Sci. USA</i> 91:9218-9222 [1994]			
137	✓	Weiler <i>et al.</i> , "Hybridization Based DNA Screening on Peptide Nucleic Acid (PNA) Oligomer Arrays," <i>Nucl. Acids Res.</i> 25(14):2792-2799 [1997]			
138	✓	Welch <i>et al.</i> , "Structures of Bulged Three-Way DNA Junctions," <i>Nucl. Acids Res.</i> 21(19):4548-4555 [1993]			
139	✓	Woese and Pace, "Probing RNA Structure, Function, and History by Comparative Analysis," Chapter 4 in <i>The RNA World</i> , Cold Spring Harbor Laboratory Press, New York, pp. 91-117 [1993]			
140	✓	Wyatt and Tinoco, "RNA Structural Elements and RNA Function," Chapter 18 in <i>The RNA World</i> , Cold Spring Harbor Laboratory Press, New York, pp. 465-496 [1993]			
141	✓	Ho <i>et al.</i> , "Mapping of RNA accessible sites for antisense experiments with oligonucleotide libraries," <i>Nature Biotech</i> 16:59-63 [1998]			
142	✓	Kirby <i>et al.</i> , "Maintenance of pre-mRNA secondary structure by epistatic selection," <i>Proc. Natl. Acad. Sci. USA</i> 92:9047-9051 [1995]			
143	✓	Tabernero <i>et al.</i> , "The Posttranscriptional Control Element of the Simian Retrovirus Type 1 Forms an Extensive RNA Secondary Structure Necessary for Its Function," <i>J. Virol.</i> 70:5998-6011 [1996]			
144	✓	Ladbury <i>et al.</i> , "The Thermodynamics of Formation of a Three-Strand, DNA Three-Way Junction Complex," <i>Biochemistry</i> 33:6828-6833 [1994]			
145	✓	Leontis <i>et al.</i> , "Stability and structure of three-way DNA junctions containing unpaired nucleotides," <i>Nucl. Acids Res.</i> 19:759-766 [1991]			
146	✓	Zhong <i>et al.</i> , "Thermodynamics of dT - dT Base Pair Mismatching in Linear DNA Duplexes and Three-Arm DNA Junctions," <i>Biochemistry</i> 36:2485-2491 [1997]			
147	✓	Plikaytis <i>et al.</i> , <i>J. Clin. Microbiol.</i> 28:1913 (1990)			
148	✓	Southern, "Detection of Specific Sequences Among DNA Fragments Separated by Gel Electrophoresis," <i>J. Mol. Biol.</i> 98:503-517 [1975]			
Examiner: <i>[Signature]</i>			Date Considered: 5/29/03		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					